

IN THE CLAIMS

German language claims 1-29 were previously cancelled. German language claims 30-58, as presented in the Preliminary Amendment filed with the application are currently cancelled. Also currently cancelled are claims 1-29, all of the claims in the verified English language translation of the German language text of PCT/DE2003/003528, published as WO 2004/039589.

Please add new claims 59-86, as follows.

Claims 1-58 (Cancelled)

59. (New) A rotating body of a printing press comprising:

a barrel, said barrel including a cylindrical surface;

an outer body supported by said barrel and having an outside forming a shell face of said barrel, said outer body including at least one curved piece engaging said cylindrical surface of said barrel;

an inner surface of said outer body; and

at least one hollow space in said inner surface and open to said cylindrical surface of said barrel, said at least one hollow space being adapted to have a temperature-regulation medium flow therethrough.

60. (New) The rotating body of claim 59 wherein said at least one curved piece has a central angle of less than 360°.

61. (New) The rotating body of claim 59 further including a plurality of said curved pieces, each of said curved pieces including one of said hollow spaces, a central angle of all of said curved pieces being no greater than 360°.

62. (New) The rotating body of claim 59 wherein there are a plurality of said hollow spaces in said inner surface of said outer body.

63. (New) The rotating body of claim 61 further including a gap in said shell face of said barrel defined by two circumferentially adjacent ones of said plurality of curved pieces, and a clamping channel in said barrel and adapted to hold a dressing on said shell surface, said gap defining a slit-shaped opening to said clamping channel.

64. (New) The rotating body of claim 59 wherein said curved piece is ring-shaped in cross-section and encloses said cylindrical surface of said barrel.

65. (New) A rotating body of a printing press comprising:

a barrel, said barrel including a cylindrical surface;

an outer body supported by said barrel and having an outside forming a shell face of said barrel, said outer body including at least one curved piece engaging said cylindrical surface of said barrel, said at least one curved piece having a central angle of less than 360°;

at least one hollow space in said barrel, said at least one hollow space being covered by said at least one curved piece;

a clamping channel in said barrel and adapted to hold a dressing on said shell face; and

a gap in said shell face and being defined by said at least one curved piece, said gap forming a slit-shaped opening to said clamping channel.

66. (New) The rotating body of claim 65 further including a temperature-regulation medium in said hollow space.

67. (New) The rotating body of claim 65 further including a plurality of said hollow spaces in said barrel.

68. (New) The rotating body of claim 65 wherein said at least one curved piece is concentric with said barrel.

69. (New) The rotating body of claim 65 further including a plurality of said curved pieces arranged circumferentially on said cylindrical surface of said barrel, each of said curved pieces overlying one of a plurality of said hollow spaces, said central angle of said plurality of said curved pieces being not greater than 360°.

70. (New) The rotating body of claim 59 further including at least one dressing on said outer body.

71. (New) The rotating body of claim 59 wherein said outer body is a solid body.

72. (New) The rotating body of claim 59 wherein said outer body has an unchanging radial thickness.

73. (New) The rotating body of claim 59 wherein said outer body is incompressible.

74. (New) The rotating body of claim 59 wherein said outer body and said barrel cylindrical surface are releasably connected.

75. (New) The rotating body of claim 59 wherein said outer body is permanently connected with said cylindrical surface of said barrel.

76. (New) The rotating body of claim 59 wherein said outer body is connected to said cylindrical surface of said barrel in a material-to-material connection.

77. (New) The rotating body of claim 59 wherein said barrel is forged.

78. (New) The rotating body of claim 59 wherein at least said outer body is steel.

79. (New) The rotating body of claim 59 wherein said barrel has an axis of rotation and said at least one hollow space is oriented axially with respect to said barrel.

80. (New) The rotating body of claim 59 wherein said at least one hollow space is non-linear.

81. (New) The rotating body of claim 59 wherein said hollow space is milled.
82. (New) The rotating body of claim 59 further including at least two of said hollow spaces spaced equidistant from each other.
83. (New) The rotating body of claim 59 wherein said rotating body is one of a cylinder and a roller adapted to convey a material to be imprinted.
84. (New) The rotating body of claim 59 wherein said rotating body is one of a forme cylinder, a transfer cylinder, an inking system roller and a dampening system roller.
85. (New) The rotating body of claim 63 wherein said gap has a width of less than 3 mm.
86. (New) The rotating body of claim 59 wherein said temperature-regulation medium is a fluid heat-conducting medium.